

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L2    | 1618 | ((244/171.1) or (244/171.2) or (244/171.7) or (244/158.1) or (244/158.4) or (244/171) or (244/164)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2010/04/22<br>23:19 |
| S1    | 6    | ("4923293"   "5291333"   "5650352").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>09:56 |
| S2    | 2    | ("5450352").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>09:59 |
| S3    | 1573 | ((244/171.1) or (244/171.2) or (244/171.7) or (244/158.1) or (244/158.4) or (244/171) or (244/164)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2009/07/23<br>10:12 |
| S4    | 5    | S3 and Lagrange   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>10:12 |
| S5    | 13   | S3 and blank  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>10:19 |
| S6    | 74   | S3 and blank\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>10:19 |
| S7    | 14   | S3 and (blank or blanking)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND              | ON      | 2009/07/23<br>10:21 |

|     |     |   |   |     |     |                     |
|-----|-----|---|---|-----|-----|---------------------|
| S8  | 9   | ("3310102"  <br>"3516623"   "3899674"<br>  "4294199"  <br>"4669685"   "5601258"<br>  "6189835").PN. OR<br>("6592079").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>10:45 |
| S9  | 18  | ("3439885"  <br>"3569714"   "3924038"<br>  "4314682"  <br>"4868040"   "4923741"<br>  "4926963").PN. OR<br>("5601258").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>10:48 |
| S10 | 81  | S3 and eclipse  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2009/07/23<br>10:56 |
| S11 | 52  | ("3225208"  <br>"3432690"   "3434678"<br>  "3459391"  <br>"3462636"   "3522433"<br>  "3535543").PN. OR<br>("3781647").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>11:17 |
| S12 | 15  | S3 and (block with<br>(light or sunlight))  | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>11:30 |
| S13 | 12  | ("3781647"  <br>"4078747"   "4553037"<br>  "4614319"  <br>"5131341"   "5183225"<br>  "5305971"  <br>"5312073"   "5626315"<br>  "5697582").PN. OR<br>("6194790").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>11:42 |
| S14 | 180 | (244/171.7).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2009/07/23<br>11:50 |
| S15 | 29  | ("2346554"  <br>"2823684"   "2877722"<br>  "3310256"  <br>"3348790"   "3402412"<br>  "3768540"  <br>"3829154"   "3923074"<br>  "3980998"  <br>"4030780"   "4106145"<br>  "4231624"  <br>"4314682"  <br>"4387533").PN. OR<br>("4637447").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>12:08 |
| S16 | 3   | ("3348790").URPN.   | USPAT   | AND | ON  | 2009/07/23<br>12:22 |

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| S17 | 17 | ("2887731"  <br>"2981572"   "3348790"<br>  "3502387"  <br>"3503664"  <br>"3603664").PN. OR<br>("3791713").URPN.  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>12:22 |
| S18 | 7  | ("3603664"  <br>"3791713"   "4470672"<br>  "5489142"  <br>"5822116").PN. OR<br>("6614593").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>12:30 |
| S19 | 9  | ("3558219"  <br>"3791713"   "3978490"<br>  "4608571"  <br>"4642652"   "4780726"<br>  "5198832"  <br>"5954386").PN. OR<br>("6199988").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>14:25 |
| S20 | 17 | ("3162764"  <br>"3206141"   "3311322"<br>  "3348790"  <br>"3535521"   "3630020"<br>  "3700905"  <br>"4018532"   "4153038"<br>  "4316084").PN. OR<br>("4933951").URPN.  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>14:31 |
| S21 | 8  | ("3564253"  <br>"3666176"   "4371135"<br>  "4469088"  <br>"5238210"   "5556029"<br>  "5593549").PN. OR<br>("5996943").URPN.  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>14:58 |
| S22 | 13 | ("0911260"  <br>"2268320"   "3272435"<br>  "3489072").PN. OR<br>("3666176").URPN.  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>15:02 |
| S23 | 39 | ("3456880"  <br>"3564253"   "3601312"<br>  "3608810"  <br>"3613992"   "3659785"<br>  "3666176"  <br>"3795626"   "3868072"<br>  "3915379"  <br>"3933323"   "3971454"<br>  "4042196"  <br>"4078747"   "4085543"<br>  "4305555"  <br>"4362271"   "4371135"<br>  "4402480"  <br>"4408206"   "4470544"<br>  "4490668"  <br>"4557444"   "4643355"<br>  "4653690" | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/23<br>15:03 |

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|-----|------|---|---|-----|-----|---------------------|
|     |      | "4691882"   "4712155"<br>  "4728051"  <br>"4728061"   "4775120"<br>  "4787580"  <br>"4809935"   "4824051"<br>  "4836086"  <br>"4883244"  <br>"5131955").PN. OR<br>("5762298").URPN.   |   |     |     |                     |
| S24 | 29   | ("3241142"  <br>"3532298"   "3582016"<br>  "4083520"  <br>"4097010"  <br>"4580747").PN. OR<br>("4824051").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>15:04 |
| S25 | 12   | ("3241142").URPN.   | USPAT   | AND | ON  | 2009/07/23<br>15:16 |
| S26 | 51   | ("2540121"  <br>"3161875"   "3241142"<br>  "3328797"  <br>"3363857"   "3375353"<br>  "3611371"  <br>"3624650"   "3680143"<br>  "3866231"  <br>"3888122"   "3978444"<br>  "4083520"  <br>"4097010"   "4161730"<br>  "4161734"  <br>"4163231"   "4321601"<br>  "4551724").PN. OR<br>("4727373").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>15:18 |
| S27 | 9    | star adj blanking   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2009/07/23<br>15:26 |
| S28 | 1573 | ((244/171.1) or<br>(244/171.2) or<br>(244/171.7) or<br>(244/158.1) or<br>(244/158.4) or<br>(244/171) or<br>(244/164)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2009/07/23<br>15:28 |
| S29 | 0    | S28 and coronagraph   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2009/07/23<br>15:28 |
| S30 | 0    | S28 and coronagraph   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2009/07/23<br>15:28 |

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|-----|-----|---|---|-----|----|---------------------|
| S31 | 47  | coronagraph   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/23<br>15:29 |
| S32 | 8   | ("5093563"  <br>"5412200"   "5448053"<br>  "5450352"  <br>"6084227"   "6344640"<br>  "6429415"  <br>"7130051").PN. OR<br>("7280193").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/23<br>15:41 |
| S33 | 13  | ("4620790"  <br>"4848907"   "4923293"<br>  "5120128"  <br>"5126550"   "5164750"<br>  "5221834"  <br>"5249080").PN. OR<br>("5450352").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/23<br>15:42 |
| S34 | 53  | occulter  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/23<br>15:45 |
| S35 | 2   | aureolegraph  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/23<br>16:07 |
| S36 | 0   | solar adj sheild  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/23<br>16:08 |
| S37 | 149 | solar adj shield  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/23<br>16:08 |
| S38 | 12  | ("4174978"  <br>"4345728"   "4379944"<br>  "4684084"  <br>"4759517"   "4800868"<br>  "5697582"  <br>"5850992"   "6043425"<br>  "6177627"  <br>"6189835"  <br>"6670540").PN. OR<br>("7051981").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/23<br>16:11 |

|     |      |   |   |     |     |                     |
|-----|------|---|---|-----|-----|---------------------|
| S39 | 27   | ("3239165"  <br>"3588000"  <br>"4262867").PN. OR<br>("4759517").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>16:12 |
| S40 | 6    | ("20040140402"  <br>"5305971"   "5806801"<br>  "6164597"  <br>"6189835"  <br>"6481671").PN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>16:35 |
| S41 | 250  | (244/172.7).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2009/07/23<br>16:55 |
| S42 | 18   | ("4949922"  <br>"5133518"   "5310144"<br>  "5687933"  <br>"5716031"   "5775645"<br>  "5833175"  <br>"5906339"   "6010096"<br>  "6070833"  <br>"6076772"   "6076773"<br>  "6102336"  <br>"6311929"   "6445981"<br>  "6600976"  <br>"RE29177").PN. OR<br>("7104506").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/23<br>17:01 |
| S43 | 27   | ("20010035207"  <br>"20030098058"  <br>"3114517"   "3174705"<br>  "3378845"  <br>"3434678"   "3535543"<br>  "3781647"  <br>"3933323"   "3989994"<br>  "4078747"  <br>"4187506"   "4251679"<br>  "4305555"  <br>"4368415"   "4371135"<br>  "4490668"  <br>"5019768"   "5223781"<br>  "5260639"  <br>"6407535").PN. OR<br>("6936760").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/28<br>15:10 |
| S44 | 1573 | ((244/171.1) or<br>(244/171.2) or<br>(244/171.7) or<br>(244/158.1) or<br>(244/158.4) or<br>(244/171) or<br>(244/164)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2009/07/28<br>15:20 |
| S45 | 88   | S44 and telescope   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2009/07/28<br>15:20 |

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|-----|----|---|---|-----|----|---------------------|
| S46 | 6  | ("5291333"  <br>"5450352"  <br>"4923293").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON | 2009/07/28<br>19:01 |
| S47 | 17 | ("5291333").URPN.   | USPAT   | AND | ON | 2009/07/28<br>19:02 |
| S48 | 10 | ("20040156087"  <br>"20070286461"  <br>"3523298"   "4923293"<br>  "5249080"  <br>"5291333"   "5450352"<br>  "5854713"  <br>"5898529").PN. OR<br>("7434947").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:02 |
| S49 | 20 | ("4136954"  <br>"4620790"  <br>"4918395").PN. OR<br>("5291333").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:04 |
| S50 | 22 | ("3064534"  <br>"3717879"   "3850504"<br>  "4453224"  <br>"4529277"   "4562441"<br>  "4947825"  <br>"5291333"   "5350137"<br>  "5384661"  <br>"5485168").PN. OR<br>("5898529").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:08 |
| S51 | 14 | ("3629592"  <br>"3923400"  <br>"4100482").PN. OR<br>("4453224").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:12 |
| S52 | 21 | ("3274880"  <br>"3614239"   "3879728"<br>  "3936632"  <br>"3994600"   "4123164"<br>  "4159419"  <br>"4311383"   "4330705"<br>  "4444546"  <br>"4453224"   "4790641"<br>  "4861984"  <br>"4963018"  <br>"5177686").PN. OR<br>("5410143").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:17 |
| S53 | 8  | ("4131791"  <br>"4453224"  <br>"5548439").PN. OR<br>("6219185").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON | 2009/07/28<br>19:21 |

|     |    |  |                           |     |    |                     |
|-----|----|--|---------------------------|-----|----|---------------------|
| S54 | 14 | ("4027943"  <br>"4645314"   "4790641"<br>  "4822156"  <br>"4825062"   "4923293"<br>  "4972085"  <br>"5107370").PN. OR<br>("5249080").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>19:25 |
| S55 | 9  | ("3558219"  <br>"3791713"   "3978490"<br>  "4608571"  <br>"4642652"   "4780726"<br>  "5198832"  <br>"5954386").PN. OR<br>("6199988").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2010/02/25<br>13:41 |
| S56 | 27 | ("2181181"  <br>"3631505"   "3699576"<br>  "3717879"  <br>"3978490"   "4315265"<br>  "4498087"  <br>"4527166").PN. OR<br>("4780726").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2010/02/25<br>13:44 |
| S57 | 13 | ("3397399"  <br>"3707720"   "3780375"<br>  "4030102"  <br>"4658265"   "4683475"<br>  "4780726"  <br>"5451975").PN. OR<br>("5996940").URPN.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2010/02/25<br>13:54 |
| S58 | 1  | (10/970472).APP.   | USPAT; USOCR              | AND | ON | 2010/02/25<br>14:41 |
| S59 | 60 | ("0841719"  <br>"1126236"   "1143774"<br>  "1327339"  <br>"1806366"  <br>"20040207566"  <br>"20050284986"  <br>"20060033674"  <br>"20060102796"  <br>"2508398"   "2571362"<br>  "3149703"  <br>"3190300"   "3313112"<br>  "3432125"  <br>"3478986"   "4402544"<br>  "4425929"  <br>"4669685"   "4699195"<br>  "4832288"  <br>"4833837"   "4869446"<br>  "4941680"  <br>"5010939"   "5044579"<br>  "5070659"  <br>"5080306"   "5168912"<br>  "5328132"  <br>"5436630"   "5601258" | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2010/02/25<br>14:41 |



|     |      |   |   |     |     |                     |
|-----|------|---|---|-----|-----|---------------------|
|     |      | "5609315"  <br>"5625982"   "5716030"<br>"5746237"  <br>"6029733"   "6065252"<br>"6092856"  <br>"6231010"   "6273115"<br>"6431393"  <br>"6547189"   "6729076"<br>"6974109"  <br>"7013904"   "7051481"<br>"7093799").PN. OR<br>("7464900").URPN.  |   |     |     |                     |
| S60 | 45   | ("1678537"  <br>"2297150"   "2955606"<br>"2979064"  <br>"3092854"   "3217325"<br>"3274596"  <br>"3277479"   "3277614"<br>"3282533"  <br>"3386687"   "3405886"<br>"3477662"  <br>"4105173"   "4166598"<br>"4295302"  <br>"4309851"   "4583330"<br>"4825599").PN. OR<br>("5044579").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2010/02/25<br>14:44 |
| S61 | 6    | ("20040140402"  <br>"5305971"   "5806801"<br>"6164597"  <br>"6189835"  <br>"6481671").PN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2010/02/25<br>14:51 |
| S62 | 365  | (359/234).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2010/02/25<br>15:04 |
| S63 | 6808 | occult\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2010/02/25<br>15:38 |
| S64 | 229  | S63 and satellite   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND | ON  | 2010/02/25<br>15:39 |
| S65 | 9    | ("3405886"  <br>"4728061"   "4747567"<br>"5044579"  <br>"5527001"   "5924278"<br>"5963166").PN. OR<br>("6585193").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | AND | ON  | 2010/02/25<br>19:02 |

|     |        |  |   |      |    |                     |
|-----|--------|--|---|------|----|---------------------|
| S66 | 24     | ("3064534"  <br>"3717879"   "3850504"<br>  "4453224"  <br>"4529277"   "4562441"<br>  "4947825"  <br>"5291333"   "5350137"<br>  "5384661"  <br>"5485168").PN. OR<br>("5898529").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | AND  | ON | 2010/02/25<br>22:05 |
| S67 | 53     | ("3225208"  <br>"3432690"   "3434678"<br>  "3459391"  <br>"3462636"   "3522433"<br>  "3535543").PN. OR<br>("3781647").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | AND  | ON | 2010/02/25<br>22:10 |
| S68 | 154024 | "359".clas.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:34 |
| S69 | 0      | S68 and (artificial adj<br>eclipse)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:35 |
| S70 | 1      | artificial adj eclipse   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:35 |
| S71 | 1027   | artificial eclipse   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:36 |
| S72 | 3      | artificial near eclipse  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:36 |
| S73 | 281    | autonomous device<br>blanking  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | AND  | ON | 2010/02/25<br>22:39 |
| S74 | 1      | autonomous device<br>blanking  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2010/02/25<br>22:40 |

4/ 22/ 2010 11:39:18 PM

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